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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/753,318	12/28/2000	Hideki Katsura	07977/262001/US4542	1195
20985	7590 04/15/2004	EXAMINER		INER
FISH & RICHARDSON, PC			DUDEK, JAMES A	
12390 EL CAMINO REAL SAN DIEGO, CA 92130-2081			ART UNIT	PAPER NUMBER
			2871	

DATE MAILED: 04/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	09/753,318	KATSURA, HIDEKI			
Office Action Summary	Examiner	Art Unit			
	James A. Dudek	2871			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period we Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	i6(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 17 Ma	arch 2004.				
Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4) ☐ Claim(s) 14,34-38,40 and 41 is/are pending in the 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) 14,34-36,38,40 and 41 is/are allowed. 6) ☐ Claim(s) 37 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or Application Papers	vn from consideration.				
9) The specification is objected to by the Examiner.					
10) The drawing(s) filed on is/are: a) acce					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No ed in this National Stage			
Attachment(s)	_				
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) 🔲 Interview Summary Paper No(s)/Mail Da				
Notice of Dransperson's Patent Drawing Review (P10-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date		atent Application (PTO-152)			

Art Unit: 2871

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 37 is rejected under 35 U.S.C. § 103 as being unpatentable over the Fujimura et al. JP Patent ('132) as applied claim 14 and 34 above and further in view of 4094058 ("058").

132 lacks the step of breaking the substrates, forming the hole in the corner or center, scribing after joining the substrate and a resin plug. However, 058 teaches scribing and breaking the joined substrates, injecting LC before or after scribing the substrates placing the hole at the corner of the substrate [see column 3-4 and hole 37 in figure 10]. These steps are taught by 058 at column 1 to decrease cost. Accordingly, it would have been obvious to one of ordinary skill at the time the invention was made to combine 058 with 132 in order to decrease costs.

Regarding the resin plug, it was well known to use resin plugs to simplify the manufacturing process. Accordingly, it would have been obvious to one of ordinary skill at the time the invention was made to combine 132 with the well known resin plug.

Allowable Subject Matter

Claims 14, 34, 35, 36, 38, and 40-41 are allowed for the reasons provided in applicants arguments filed 3/17/04.

Response to Arguments

Applicant's remarks filed 3/17/04 have been fully considered but they are not persuasive. The limitations applicant is relying on to distinguish the claims are clearly found in claim the prior art as described above, see the figure on the face of the file. Specifically see the left side of the flow chart, step 39a, fill cells precedes step 35a, cut said assembly.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to James A. Dudek whose telephone number is 571-272-2290. The examiner can normally be reached on 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert H. Kim can be reached on 571-272-2293. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

James A. Dudek Primary Examiner Art Unit 2871

April 13, 2004